

### ***Recommended Methods***

The 2000 Report of the AVMA Panel on Euthanasia categorizes methods as acceptable, conditionally acceptable, or unacceptable under specific circumstances.

#### ***Acceptable***

- a. Barbiturates (most species)
- b. Carbon dioxide (CO<sub>2</sub>)-bottled gas only (most species)
- c. Inhalant anesthetics (most species)
- d. Microwave irradiation (mice and rats)
- e. Tricaine methane sulfate (TMS, MS222) (fish, amphibians)
- f. Benzocaine hydrochloride (fish, amphibians)
- g. Captive penetrating bolt (horse, ruminant, swine)
- h. Ether and carbon monoxide are acceptable for many species, but relatively dangerous to personnel.

#### ***Conditionally Acceptable (Requires IACUC Approval of Scientific Justification)***

- a. Cervical dislocation (birds, small rodents and rabbits)
- b. Decapitation (birds, rodents, some other species)
- c. Pithing (some ectotherms)
- d. Various pharmacological and physical methods

#### ***Unacceptable***

- a. Chloral hydrate, chloroform and cyanide
- b. Decompression
- c. Neuromuscular blockers
- d. Various pharmacological and physical methods
- e. Dry ice-generated Co<sub>2</sub>